

Fisher & Paykel

Side by side refrigerator
RX693, RX594 & RX616 models

**Installation instructions
and User guide**

Product model number	Product name	Country of origin
22629	RX693DT7XV2FPCN (RX693)	Made in Mexico
22630	RX594DT7XV2FPCN (RX594)	Made in Mexico
22631	RX616DJXV2FPCN (RX616)	Made in Mexico

Key

R = Refrigerator

X = Side by side

693
594 = Capacity (L)
616

D = Designer

T = Ice and Water through the door

J = Internal Ice

7 = High Spec

X = Stainless

V = Silver cabinet

2 = Generation 2

FP = Fisher & Paykel

CN = China

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Important!

SAVE THESE INSTRUCTIONS

The models shown in this User Guide may not be available in all markets and are subject to change at any time. For current details about model and specification availability in your country, please visit our local website listed on the back cover or contact your local Fisher & Paykel dealer.

2 Introduction

Thank you for buying a Fisher & Paykel side by side refrigerator.

This refrigerator combines size and storage space with the latest features and functions. Many hours have been spent researching how you, our customer, use your refrigerator and what we can do to make life easier for you.

All refrigerator models have an internal ice maker and select models have ice dispensing, along with chilled water dispensing through the door.

Select refrigerator models have a number of customisable storage zones, such as a Beverage Chiller with adjustable temperature settings and a fruit and vegetable bin with adjustable humidity.

Select models also have some special modes, such as Max Cool that boosts the cooling and freezing power of your refrigerator, and Speed Ice that will increase ice production.

As your life changes, so can your refrigerator. This book explains the features and functions, and will help you get the most out of your refrigerator.

We hope you enjoy your new refrigerator!

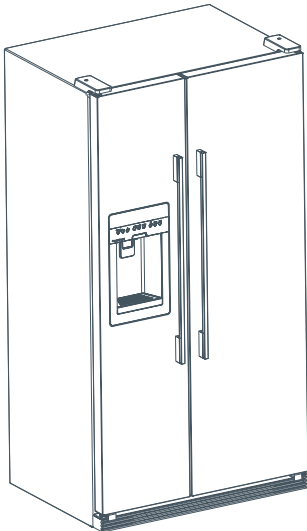


Fig.1 RX693 / RX594 models

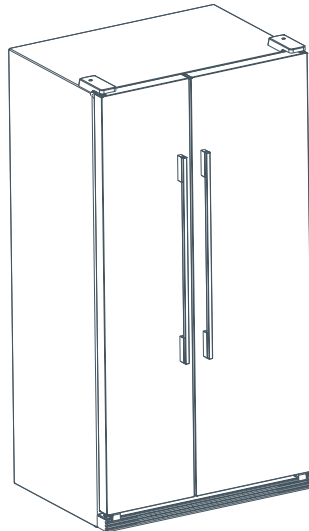


Fig.2 RX616 model

Important!

It is important that this User Guide should be retained with your Ice & Water refrigerator for future reference. Should the appliance be sold or transferred to another owner, please ensure that the User Guide is left with the appliance. This will ensure that the new owner can familiarise themselves with the information and warnings contained within the Guide.

⚠ WARNING!**Electric Shock Hazard**

Read and follow the SAFETY AND WARNINGS outlined in this User Guide before operating this appliance.

Failure to do so can result in death, electric shock, fire or injury to persons.

Use this appliance only for its intended purpose as described in this User Guide.

Important safety precautions

Warning

When using this appliance always exercise basic safety precautions including the following:

Danger

- *This appliance is not intended for use by children or infirmed persons without supervision. This is especially important when using the freezer compartment. Young children should be supervised to ensure they do not play with the appliance.*
- *Risk of child entrapment. Before you throw away your old refrigerator:*
 - *Take off the doors*
 - *Leave the shelves in place so that children can not easily climb inside.*
- *The plastic packaging, off your new refrigerator, may be a choking or suffocation hazard to children. Ensure all plastic is disposed of properly.*

Disposal

- *Extreme care must be taken when disposing of your old appliance to avoid hazards. The refrigerant gas must be safely removed and for the safety of young children, remove doors.*
- *Your Fisher & Paykel Appliances Authorised Service Centre will be able to give advice on environmentally friendly methods of disposing of your old refrigerator.*

Electrical

- *This new appliance must be properly installed in accordance with the installation instructions before it is used.*
- *Never unplug your refrigerator by pulling on the power cord.*
- *Always grip the plug firmly and pull straight out from the outlet socket.*
- *Do not plug in any other appliance at the same power point outlet socket your refrigerator is using. Do not use extension cords or double adapters with these products.*

Safety and warnings

- *Repair or replace immediately all electric service cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion along its length or at either the plug or appliance end.
If the power supply cord is damaged, it must only be replaced by your Fisher & Paykel Appliances Authorised Service Centre because special purpose tools are required.*
- *When moving your appliance back against the wall, be careful not to roll over or damage the power cord.*
- *Unplug your refrigerator before cleaning it or replacing the interior light bulb.*

Storing food and drinks

- *Never store volatile or flammable materials in your refrigerator as they may explode.*
- *Never freeze liquids in glass containers. Liquid expands during freezing, which may cause the container to explode.*
- *Never freeze carbonated drinks. They may explode.*
- *Do not consume food if it is too cold. Food removed from the freezer compartment may be cold enough to cause damage when brought into contact with bare skin, eg frozen ice cubes.*

Power failure – food safety

- *Do not refreeze frozen foods that have thawed completely. Follow the recommendations below if you discover food in your freezer has thawed:*
 - 1) *Ice crystals still visible – food may be refrozen but should be stored for a shorter period than recommended.*
 - 2) *Thawed but refrigerator cold – refreezing generally not recommended. Fruits and some cooked food can be refrozen but use as soon as possible. Meat, fish, poultry – use immediately or cook and refreeze. Vegetables – discard as they usually go limp and soggy.*
 - 3) *Thawed and warmer than 5 °C – discard all foods.*
- *Do not refreeze frozen foods that have thawed completely. The food may be dangerous to eat.*

Important!

Cleaning

- *Many commercially available cleaning products contain solvents which may attack plastic components of your refrigerator and cause them to crack. Please refer to the Care and cleaning section of this booklet for further advice.*

⚠ WARNING!**Electric Shock Hazard**

Read and follow the **SAFETY AND WARNINGS** outlined in this User Guide before operating this appliance, pages 3 – 4.

Failure to do so can result in death, electric shock, fire or injury to persons.

Location

- Do not install refrigerator near an oven, radiator or other heat source. If not possible, shield refrigerator with cabinet material.
- Do not install where temperature falls below 13°C or rises above 43°C. Malfunction may occur at these temperatures.
- The refrigerator is designed for indoor household application only.

Measuring the opening

- When installing your refrigerator, allow 13 mm space at the top and 13 mm space behind machine compartment cover (located in the rear) for proper air circulation. If the refrigerator is placed with the door hinges against a wall, you may want to allow additional space so the door can be opened wider.
- Subflooring or floor coverings (ie carpet, tile, wood floors, rugs) may make your opening smaller than anticipated.
- Some clearance may be gained by using the levelling procedure under 'Levelling', page 8.

Important!

If refrigerator is to be installed into a recess where the top of the refrigerator is completely covered, use dimensions from floor to top of hinge cap to verify proper clearance.

Transporting your refrigerator

- **NEVER** transport refrigerator on its side. If an upright position is not possible, lay refrigerator on its back. Allow refrigerator to sit upright for approximately 30 minutes before plugging it in. This will ensure oil returns to the compressor. Plugging refrigerator in immediately may cause damage to internal parts.
- Use an appliance dolly/trolley when moving refrigerator. **ALWAYS** truck refrigerator from its side or back – **NEVER** from its front.
- Protect the outside finish of the refrigerator during transport by wrapping the cabinet in blankets or inserting padding between the refrigerator and dolly.
- Secure refrigerator to dolly firmly with straps or bungee cords. Thread straps through handles where and when possible. Do not over-tighten. Over-tightening restraints may dent or damage the outside finish.

6 Installation instructions

Door and hinge removal

Some installations require door removal to get the refrigerator to its final location.

Tools needed:

- Phillips screwdriver.
- 9.5 mm hex head driver.

⚠ WARNING!



Electric Shock Hazard

Disconnect power to refrigerator before removing doors. Connect power only after replacing doors.

Green ground wire must be attached to top hinge while performing door removal and replacement.

Failure to do so may result in death, electric shock, fire, or injury to persons.

Caution!

To avoid property damage, observe the following:

- Protect vinyl or other flooring with cardboard, rugs or other protective material, prior to moving the refrigerator.
- Tape decorative panels (select models) securely in place before removing door handles.
- Do not adjust the refrigerator to be any shorter than 1740 mm tall (minus hinge and cap). Doing so may damage underside components.

RX693 / RX594 models

- 1 Unplug power cord from power source.
- 2 Remove toe grille (see page 8).
 - Open both doors 180°, or as wide as possible.

Note: for refrigerators in operation, shut off water before removing water line from the door.

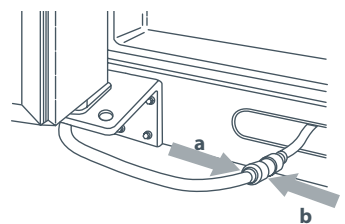
To disconnect the water line:

- Push in white collar (a) and hold.
- Pull the door-side tube from the connector (b).

To reconnect the water line:

- Firmly push tube 8 mm into the connector. Use lines on the tube as a guide for full insertion.
- If tube end is damaged, cut off 8 mm before reconnecting.
- If leaking occurs, cut and reconnect the line.

Step 2



- 3 Close doors.
- 4 Remove top hinge covers by removing Phillips screws.
- 5 Unscrew 8 mm hex head screws from top hinges.
- 6 Detach main wire connector harness.
 - Do not remove screw connecting green ground wire.
 - To detach main wire harness, use a flat blade tool or fingernail to press junction point between two connectors to release.
- 7 Remove top hinges along with doors.
- 8 Remove bottom hinges with a 9.5 mm hex head driver.

Replacing the doors

- To replace the doors, follow the steps in door and hinge removal in reverse order.

Important!

If water line tube end is damaged, cut off 16 mm before reconnecting.

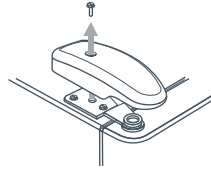
RX616 model

- 1 Unplug power cord from power source.
- 2 Remove toe grille (see page 8).
- 3 Unscrew screws from top hinges.
- 4 Remove top hinges along with doors.
- 5 Remove bottom hinges with a 9.5 mm hex head driver.

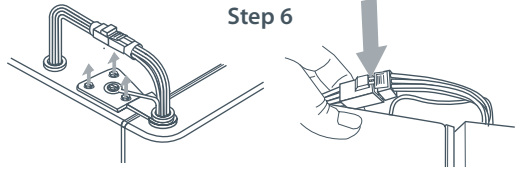
Replacing the doors

- To replace the doors, follow the steps in door and hinge removal in reverse order.

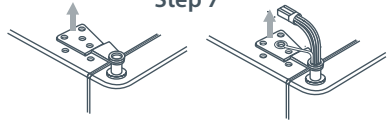
Step 4



Step 6



Step 7



Step 8

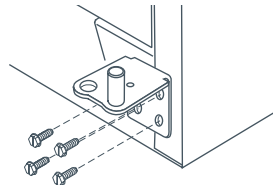
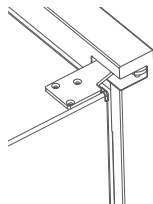


Fig.3 Door and hinge removal (RX693 / RX594 models)

Steps 3 and 4



Step 5

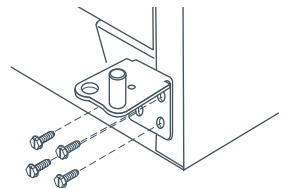


Fig.4 Door and hinge removal (RX616 model)

Handle removal

Handles are installed at the factory.

Tools needed:

- 4 mm Allen wrench

To remove:

- Remove cap-screw from handle mounting post using 4 mm Allen wrench.
- Repeat the procedure on all posts to remove the handle.

To replace:

- Align handle with the mounting posts.
- Fully tighten all cap-screws to secure handle in place.

Levelling

Caution!

To protect personal property and refrigerator from damage, observe the following:

- Protect vinyl or other flooring with cardboard, rugs or other protective material.
- Do not use power tools when performing levelling procedure.

To enhance the appearance and maintain performance, the refrigerator should be level.

Note:

- Complete any required door reversal, panel installation and/or a water supply connection before levelling.
- Some models only have front levelling adjustment screws (a).

Tools needed:

- 9.5 mm hex head driver
- Carpenter's level

- 1 Remove toe grille.
 - Grasp firmly and pull outward to unclip.
- 2 Using hex head driver, turn front adjustment screws (a) clockwise to raise and counterclockwise to lower the front of the refrigerator.
- 3 Select models also have rear adjustment screws (b). Using the hex head driver, turn each of these adjustment screws (b) to raise or lower the rear of the refrigerator.

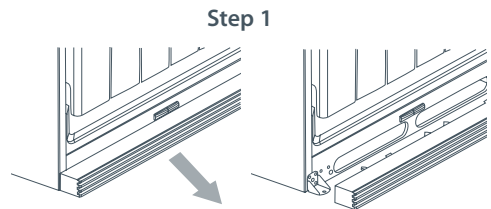
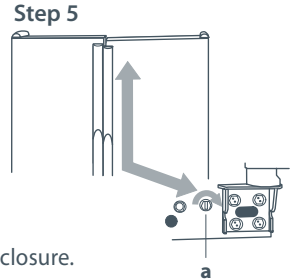


Fig.5 Levelling the refrigerator

- 4 Using the carpenter's level, make sure front of refrigerator is 6 mm or ½ bubble higher than back of refrigerator and that the refrigerator is level from side to side.
- 5 If required, correct rocking of refrigerator by turning rear adjustment screw clockwise to raise rocking corner.

If doors are uneven, do the following:

- Determine which door needs to be raised.
- Turn front roller adjustment screw (a) clockwise to raise front corner of door.
- If one refrigerator door has reached the limit of its adjustment range and doors are still not level, raise or lower the opposite door by turning roller adjustment screw clockwise or counterclockwise.
- Check with level to verify 6 mm tilt to the back for proper door closure.
- If refrigerator is aligned and stable, replace toe grille and hinge covers.
- Align the toe grille mounting clips with the lower cabinet slots.
- Push the toe grille firmly until it snaps into place.



Connecting the water supply

Important!

- *It is recommended that an authorised plumber in your state or town is used to install the water connection, to ensure all local codes and ordinances are followed.*
- *The new tubings supplied with the refrigerator are to be used, old tubings from old Ice and Water connections should not be used.*

Installation precautions/warnings

DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

WARNING – Connect to potable water supply only.

CONFIRM inlet water pressure to refrigeration connection is between 35 psi and 100 psi.

This applies to reverse osmosis systems. If the pressure from your reverse osmosis system is lower than this, consult a licensed, qualified plumber.

DO NOT use on hot water supply, 38°C max.

DO NOT install in a location that is susceptible to freezing temperatures as damage to the water supply, refrigerator or house itself could occur.

AVOID contamination of pipes during installation.

DO NOT use a self piercing or 4.7 mm saddle valve. Both reduce the water flow, can become clogged over time, and may cause leaks if repair is attempted.

DO NOT service ice maker unless specifically recommended in User Guide or published user-repair instructions.

CHECK the copper tubing under the sleeve is smooth and free from defects. Do not reuse an old sleeve.

WAIT two to three hours before placing refrigerator in final position to check and correct any water leaks. Recheck for leaks after 24 hours. Water damage to an improper water connection may cause mould/ mildew growth. Clean up spills or leakage immediately.

Before you start using your refrigerator

- Check refrigerator is switched on and has been allowed to cool for three to four hours before loading with food.
- Fit filter if desired (see page 28).
- Check the water is connected correctly. No visible leaks.
- Turn ice maker on (see page 26).
- On RX693 / RX594 models dispense 5 L of water and discard. There may be a 1 minute delay until water is dispensed as the tank fills.
- Discard the first 24 hours worth of ice.

Now you can enjoy the ease and simplicity of automatic ice making, and ice and water being dispensed out the front of your RX693 or RX594 model.

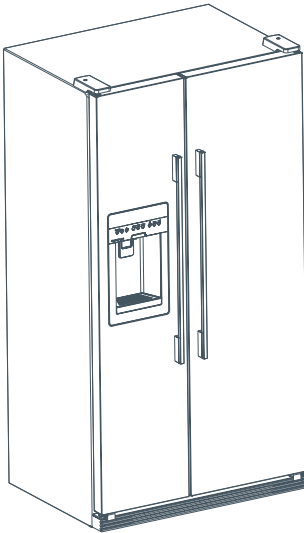


Fig.6 RX693 / RX594 models

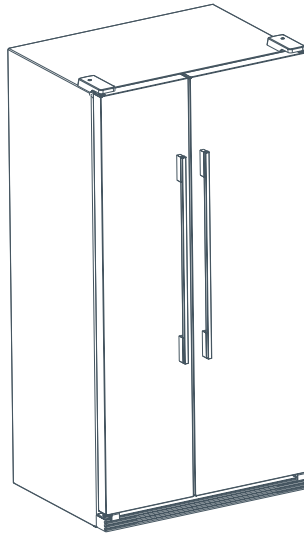


Fig.7 RX616 model

Note: Warm cabinet surfaces

At times the front of the refrigerator cabinet may be warm to touch. This is a normal occurrence that helps prevent moisture from condensing on the cabinet. This condition will be more noticeable when the refrigerator is first started, during hot weather or after excessive or lengthy door openings.



Fig.8 Control panel (RX693 / RX594)

The display screen allows you to view and modify all the features on your refrigerator. You can change the temperature of your refrigerator and freezer independently, and select the MAX COOL function when you want to quickly cool or freeze food items. You may want increased ice production when you are entertaining or want to quickly chill a bottle of wine when friends arrive unexpectedly. The SPEED ICE and CHILL functions allow for both. The VACATION function allows you to save valuable energy and reduces the refrigerator's operational costs.

The temperature of your refrigerator and freezer

The temperatures are preset at 3°C in the fresh food compartment and -18°C in the freezer compartment. After being initially switched on the refrigerator will take several hours to cool, depending on the environment it is placed in. You can start to store food in it 3 – 4 hours after it was turned on.

After placing food in the refrigerator, leave it to stabilise for 24 hours. After this time you may wish to alter the temperature.

- The temperature of the freezer and refrigerator is displayed on, and can be controlled via, the display.
- The COMPARTMENT button allows you to alternate between the freezer compartment (left hand temperature) and the refrigerator compartment (right hand temperature) on the display.
- Before any buttons have been pushed, the display shows the current temperature of both compartments.
- The first touch of - or + button shows the current temperature setting in the selected compartment. Further touches of the - or + button will change the temperature setting in 1°C increments.
- The display will show the new setting for two seconds and then return to the current temperature within the selected compartment.
- Do not change the temperature more than one degree at a time. Allow the temperature to stabilise for 24 hours before making another temperature adjustment.

12 Special functions (RX693 / RX594 models)


This refrigerator has four special functions for you to enjoy; MAX COOL, VACATION, CHILL and SPEED ICE. By default all the options are off.




Special function selection


How to turn special functions on and off:

- Press the FUNCTION button to activate the Special Functions display.
- Press the FUNCTION button to scroll to the function you wish to turn on or off.
- Functions will light up white if off, or red if on.
- The selected icon will flash.
- Press the ON/OFF button to turn the selected function on or off.
- The other three icons will be white if off or red if on.






Max Cool

Having either door open for a long time, or loading the refrigerator full of warm food (such as after a trip to the supermarket) will raise the temperature of the refrigerator. The MAX COOL  function boosts the freezing and cooling power, by dropping both compartments to their minimum temperatures for 12 hours. This helps to ensure vital nutrients, freshness, texture and taste of the food items are retained.

After 12 hours  will turn off automatically, and both compartments return to their previously selected temperatures. To deactivate  before the 12 hours, turn  off via the display.

When the  feature is activated neither of the temperature adjustments will operate.


Vacation



If you are going on vacation, activating the VACATION  function is an easy way to save energy and money. Defrosts occur less frequently when  is on, consuming less energy.  will remain on until deactivated. To deactivate the mode, open either door or turn  off. Opening a door in the first hour after activation will not deactivate .

See 'Preparing for vacation' (page 36) for more details.

Chill

This function allows you to chill your beverages in the freezer without the worry of forgetting about them.



When activated, CHILL  will remind you after 20 minutes to remove your beverage by sounding an alarm. The user alarm will continue to sound until any key on the display is pressed.

You may find larger bottles are not adequately chilled after the 20 minutes. For such bottles,  can be turned on a second time and placed in the freezer again. This should not be done with smaller bottles, cans or beverages chilled prior to the first . This could cause the vessel to crack and/or explode or the liquid will start to freeze.

Important!

Do not leave the bottle inside the freezer longer than the time needed for chilling.

Speed Ice

Sometimes you need more ice than normal. SPEED ICE  will solve this problem by dropping the freezer compartment temperature down. This increases ice production by up to a third over normal production. The  function will be activated for 24 hours. After 24 hours, the freezer compartment will return to the previously selected temperature.

When  is activated the freezer compartment temperature can not be adjusted.

User Preferences menu

The User Preferences menu allows you to further customise your refrigerator, altering the settings to suit you.


- To access the User Preferences menu, hold down the COMPARTMENT button for four seconds.
- When in the User Preferences menu, a short title for the feature will appear in the left/freezer temperature display and the feature status will appear in the right/refrigerator temperature display. For example, dEG will appear in the freezer screen and °C or °F will appear in the refrigerator screen.
- Use the COMPARTMENT button to scroll through the features.
- When the desired feature is displayed, use the - and + buttons to change the status or setting of the feature.
- To exit the menu, hold down the COMPARTMENT button for another four seconds.

The following features can be accessed through the User Preferences menu.

Celsius / Fahrenheit (dEG)


The display can show the temperature in degrees Celsius (°C) or degrees Fahrenheit (°F). The temperature will change in 1° increments for both F or C settings.

Sabbath mode (SAb)

When Sabbath mode is on, the display screen, all control and exterior lights and the door alarms are disabled until the feature is turned off. This feature does not disable the interior lights. Sabbath mode will automatically deactivate after 80 hours, if not turned off earlier. When Sabbath mode is on, the display will be inactive apart from a small red candle  on the display.

Temperature Alarm (see page 15) and the door alarm function will not operate if refrigerator is in Sabbath mode.

Sound (Snd)

Turning the sound off, silences the button presses on the display and all audible alarms.  icon will appear on the display when the sound is off. Turning sound off turns the door alarm function off. Temperature Alarm will remain on when the sound is turned off, but the alarm will not sound. Only the visual feedback from the display will be given (see page 15).

Door Alarm (dor)

When the door alarm function is on, an alarm will sound if either door on the refrigerator is left open for longer than five minutes. This is to remind you to close the open door(s). The door alarm will turn off when either Sabbath mode is turned on or when sound is turned off.

Temperature Alarm (tP)

When activated the Temperature Alarm tells you if compartment temperatures exceed normal operating temperatures due to power outage (or other event) by sounding an alarm repeatedly. The alarm will not sound if either Sabbath mode is on or if the sound is turned off.

The display will show the highest compartment temperature reached while the power was out. Once the refrigerator starts to cool, the display will alternate between the current compartment temperature and the highest temperature reached until normal operating temperatures are restored.

Press any button on the display to turn the audible alarm off. Once the alarm has been turned off the display will continue to alternate temperatures.

Temperature Alarm will not operate if refrigerator is in Sabbath mode.

Appliance mode (APL)

Turning Appliance mode off means that the **entire refrigeration unit will turn off** (both the fresh food and freezer compartment). The lights will remain on inside both compartments.

Note: if turning the refrigerator off (Appliance mode off), ensure **all** food from both compartments and ice from the freezer is removed.

Filter Reset (FLr)

When replacing the filter cartridge, turning the filter reset status to 'yes' then holding COMPARTMENT button down, confirms filter counter has been reset.

16 All about the display (RX616 model)

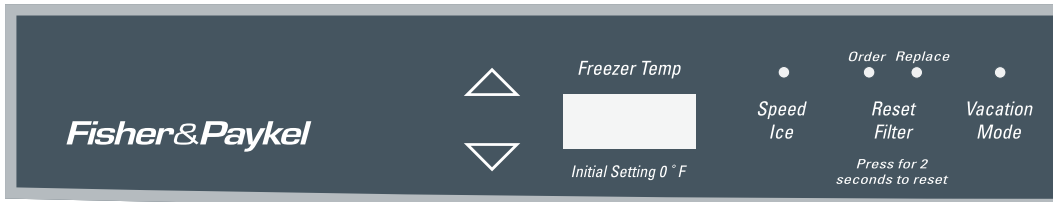






Fig.9 Control panel (RX616)


There is one control panel on your refrigerator located at the inside top of the fresh food compartment.

The temperatures are preset at 38°F (3°C) in the fresh food compartment and 0°F (-18°C) in the freezer compartment. After being initially switched on the refrigerator will take several hours to cool, depending on the environment it is placed in. You can start to store food in it 3 – 4 hours after it was turned on.


After placing food in the refrigerator, leave it to stabilise for 24 hours. After this time you may wish to alter the temperature. The fresh food and the freezer compartment temperatures are set individually.

- Before any buttons have been pushed, the display shows the current temperature of both compartments.
- The first touch of an  or  button shows the current temperature setting in that compartment.
- Further touches of the  or  button will change the temperature setting in 1°F increments.
- The display will show the new setting for three seconds and then return to the actual temperature currently within that compartment.
- Do not change the temperature more than one degree at a time. Allow the temperature to stabilise for 24 hours before making another temperature adjustment.


If either compartment is too cold

Adjust the compartment temperature up 1°F by pressing the appropriate  button for the compartment. If display set to degrees Celsius, temperature will go up 1°C at a time (see page 19).

If either compartment is too warm

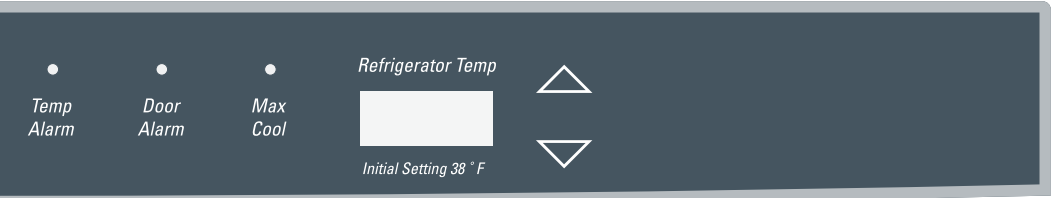
Adjust the compartment temperature down 1°F by pressing the appropriate  button for the compartment. If display set to degrees Celsius, temperature will go down 1°C at a time (see page 19).

To turn the refrigerator off

Press either of the  buttons repeatedly, until the numbers disappear from the display. **This will turn the whole refrigerator unit** (both fresh food and freezer compartments) **off**, although the compartment lights remain on.

To turn back on, press the  button until the desired temperature is reached.

Note: if turning the refrigerator off, ensure **all** food and ice is removed.



Speed Ice

Sometimes you need more ice than normal. Speed Ice will solve this problem by dropping the freezer compartment temperature, increasing ice production by up to a third over normal production.

To activate Speed Ice simply press the SPEED ICE button

The indicator light will illuminate, and the Speed Ice function will be activated for 24 hours. After this time the indicator light will turn off and the freezer compartment temperature will return to the previously selected temperature.

When Speed Ice is activated the freezer compartment temperature can not be adjusted.

Vacation Mode

If you are going on vacation, there is an easy way to save energy and money. Vacation Mode makes defrosts occur less frequently, consuming less energy.

To activate Vacation Mode simply press the VACATION MODE button

The indicator light will illuminate and Vacation Mode will remain on until deactivated. To deactivate the mode, open either door or press the VACATION MODE button. Opening a door in the first hour after activation will not deactivate this mode. The indicator light will go out when deactivated.

See 'Preparing for vacation' (page 36) for more details.

Max Cool

Having the door open for a long time or loading the refrigerator full of warm food (such as after a trip to the supermarket), will raise the temperature of the refrigerator. The Max Cool function will drop the fresh food and freezer compartments to their minimum temperatures for 12 hours, and allow maximum cooling to take place.

To activate Max Cool simply press the MAX COOL button

The indicator light will illuminate and the Max Cool function will be activated for 12 hours. After this time the indicator light will turn off and both compartments will return to their previously selected temperatures. To deactivate Max Cool in less than 12 hours, press the MAX COOL button.

When the Max Cool feature is activated neither of the temperature adjustments will operate.

18 All about the display (RX616 model)

Reset Filter

The water filter needs to be replaced every 12 months or after 2838 litres of water has been filtered (whichever is sooner). To remind you of this, the orange Order light will illuminate after 11 months or once 90% of the volume of water has been filtered. The red Replace light will illuminate after 12 months or once 2838 litres have flowed through. Install a new filter immediately when the red light shows up (see page 29).

After replacing the filter, reset the filter by pressing and holding the RESET FILTER button for two seconds. Both lights will go off.

Temp Alarm

The Temp Alarm system will tell you if compartment temperatures exceed normal operating temperatures due to a power outage (or other event). When activated, the Temp Alarm light will illuminate.

If the temperatures exceed operating limits, the display will show the highest compartment temperatures reached when the power was out. Once the refrigerator starts to cool, the display will alternate between the current compartment temperature and the highest temperature reached. An audible alarm will sound repeatedly.

Press the TEMP ALARM button once to stop the audible alarm. The Temp Alarm light will continue to flash and the temperatures will alternate.

To turn off Temp Alarm, press and hold the TEMP ALARM button for three seconds. The indicator light will go off.





The Temp Alarm will not sound when the refrigerator is in Sabbath mode and when the Alarm mode is OFF.

Door Alarm

The Door Alarm will alert you when one of the doors has been left open for five continuous minutes. This is to ensure your food will not spoil accidentally. When this happens, an audible alarm will sound every few seconds until the door is closed or the DOOR ALARM button is pressed.

The Door Alarm will not sound when the refrigerator is in Sabbath mode and when the Alarm mode is OFF.

Your refrigerator has a User Preference menu, in which you can alter settings to suit you.

- To access the User Preferences menu, press and hold the DOOR ALARM button for three seconds.
- When in the User Preferences menu, a short title for the feature will appear in the freezer temperature display and the feature status will appear in the refrigerator display.
- Use the freezer  or  buttons to scroll through the features.
- When the desired feature is displayed, use the refrigerator  or  buttons to change the status.
- When changes are complete close the fresh food door.

The following features can be accessed through the User Preferences menu.

Display (F_C)

Change the display to show the temperature in degrees Fahrenheit (F) or degrees Celsius (C).

Alarm (AL)

When the Alarm mode is OFF, no audible alarms will sound. All button presses on the display will be silent and both Temp Alarm and Door Alarm will not sound when Alarm mode is OFF.

Sabbath mode (SAB)

When the Sabbath mode is ON, all control lights on the display will be disabled until the feature is turned OFF. This feature does not disable the interior lights. Press any button to restore the control lights and turn off Sabbath mode. Temp Alarm and Door Alarm will not sound when Sabbath mode is ON.

Note: Warm cabinet surfaces

At times the front of the refrigerator cabinet may be warm to the touch. This is a normal occurrence that helps prevent moisture from condensing on the cabinet. This condition will be more noticeable when the refrigerator is first started, during hot weather and after excessive or lengthy door openings.

The fresh food compartment is designed to keep your food as fresh, nutritious and flavoursome as possible.

Fruit and vegetable storage

Fruit and vegetables stored in the normal refrigerator environment will lose moisture very quickly to the cold, dry air. This decreases their storage life as they will lose moisture and shrivel very quickly. The fruit and vegetable storage bin provides an environment in which you control the humidity. By controlling the humidity in the bin, the air is kept moist, and fruit and vegetables retain significantly more moisture. This increases their storage life, keeping them fresher for longer.

Fruit and vegetables have slightly different humidity/storage requirements, so the storage bin has an adjustable humidity slide with three settings. Fruit requires lower humidity storage compared with vegetables.



Fig.10 Humidity Control Settings

To remove:

Pull drawer out to full extension.
Tilt up front of drawer and pull straight out.

To install:

Insert drawer into frame rails and push back into place.

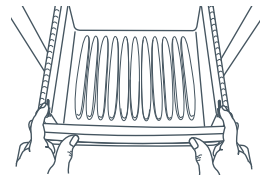


Fig.11 Fruit and vegetable bin

Meat drawer

The temperature controlled meat drawer at the bottom of the fresh food compartment provides an environment perfect for storing a range of items. It has two slide settings – cold, and coldest setting. The coldest setting is slightly colder than the rest of the fresh food compartment, and is perfect for storing meat. The cold setting is a similar temperature to the fresh food compartment, and is great for other fresh foods.

There are a number of customisable storage options throughout the compartment.

Shelves

Caution!

To avoid personal injury or property damage, observe the following:

- *Never attempt to adjust a shelf that is loaded with food.*
- *Ensure shelf is secure before placing items on shelf.*
- *Handle tempered glass shelves carefully. Shelves may break suddenly if nicked, scratched or exposed to sudden temperature changes.*

Your refrigerator is fitted with shelves specially designed to retain spills, making clean up easier.

To remove a shelf:

- Slightly tilt up the front and lift up the rear of the shelf, then pull the shelf straight out.

To install a shelf:

- Tilt the front edge up and insert the hooks into the desired frame openings and let the shelf settle into place. Be sure the shelf is securely locked at the rear.
- The top of each bin serves as the shelf above it. To remove the bin top place your hand under the frame to push the glass up. Lift glass out. To install, reverse the instructions.

Covered storage bucket (select models)

The storage bucket has a lid and removable egg tray. When the tray is removed the bucket will fit other items, such as a standard egg carton.

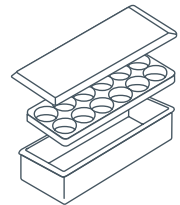


Fig.12 Covered storage bucket

Wine bottle holder (select models)

The wine bottle holder will hold a single bottle.

To install:

- Slide the upper lip of the holder along the top left side of any shelf. The bottle holder sits underneath the shelf.

Door buckets (for fresh food and freezer compartments)

Door buckets can be moved up or down to meet individual storage needs.

To remove:

- Lift the bucket up and pull straight out.

To install:

- Place bucket in desired door liner retainer position and push down gently until bucket stops.

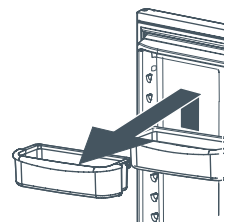


Fig.13 Door bucket

Dairy shelf

The dairy shelf provides convenient door storage for spreadable items such as butter and margarine. On select models, this compartment can be moved to several different locations to accommodate storage needs.

To remove:

- Slide dairy shelf up and pull out.

To install:

- Slide assembly in and down so that the hooks are firmly seated on the door liner.

To remove dairy door:

- Press in sides of dairy door and pull out.

To install dairy door:

- Slide sides of dairy door inside dairy shelf until hinge points snap into place.

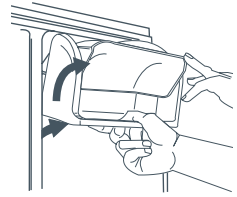


Fig.14 Dairy shelf and door

Beverage Chiller

The Beverage Chiller keeps beverages and other items colder than the rest of the fresh food compartment. An air inlet directs air from the freezer into the chiller.

Controls

The Beverage Chiller Control is the top dial located on the left wall of the fresh food compartment. Turn the outer part of the dial clockwise to increase air flow and decrease the temperature of the Beverage Chiller.

To remove Beverage Chiller:

- Unload the Beverage Chiller.
- Slide the assembly up and pull straight out.

Note: if the Beverage Chiller is installed directly under the dairy shelf or a door bucket, the bucket or dairy shelf will need to be removed before removing the chiller.

To install Beverage Chiller:

- Align one of the air inlet holes on the side of the Beverage Chiller with one of the hole cut-outs on the door.
- Slide the assembly in and down so that the hooks are firmly seated on the door liner.

Note: the Beverage Chiller will not operate properly if the air inlet hole is not aligned with the control location.

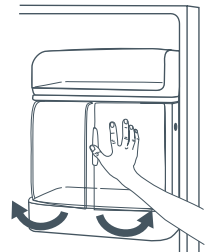


Fig.15 Beverage Chiller



Fig.16 Beverage Chiller Control

Shelves

Shelves can be removed to meet individual storage needs.

To remove shelf:

- Snap right side of shelf up from cabinet railing or wall mounting clips and slide to the right.

To install shelf:

- Replace shelf in left side cabinet railing. Snap shelf into right side cabinet railing (or wall mounting clips).

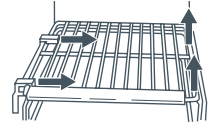


Fig.17 Freezer shelf

Baskets and drawers

Baskets and drawers (style may vary) slide out for easy access to items stored at the back.

To remove:

- Pull out to its full extension. Lift up front of basket or drawer and remove.

To install:

- Slide basket or drawer into cabinet railings. Lift up front of basket or drawer and slide to the back of refrigerator.



Fig.18 Freezer drawer

Ice storage bin

The ice storage bin is located below the automatic ice maker (see page 26 for removal and installation instructions).

Refrigerator models RX693 and RX594 are equipped with an ice and water system that automatically makes and dispenses cubed and crushed ice, and filters, chills and dispenses water. The RX616 model is equipped with an ice system only that automatically makes cubed ice.

Once your refrigerator has been plumbed in (see page 9) and the ice maker turned on (see page 26) you can enjoy these great features. The dispensing (on RX693 and RX594 models) is controlled via the external display.

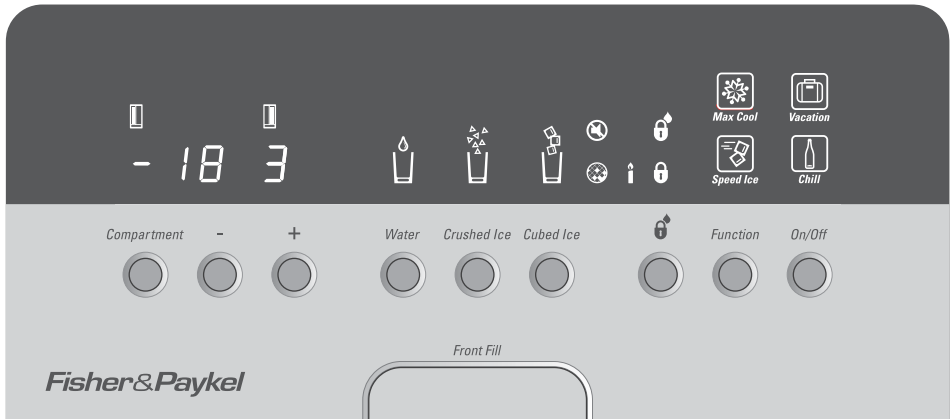


Fig.19 Control panel (RX693 and RX594)

Dispenser pad (RX693 / RX594 models only)






The dispenser pad is located in the back wall of the dispensing area. When the dispenser pad is pressed, the selection chosen on the dispenser control panel will dispense.

Removable tray (RX693 / RX594 models only)

The removable tray at the bottom of the dispenser area is designed to collect small spills and may be removed for cleaning and emptying purposes. It does not drain. Do not allow it to overflow. If it does, remove tray and wipe up overflow.

Display and Dispenser Lock (RX693 / RX594 models only)

When the dispenser is locked, neither ice nor water can be dispensed.


- To lock the dispenser press and hold the  button for two seconds (the display will also be locked). The  icon will be displayed on the screen.
- Continuing to hold the  button for another two seconds will unlock the dispenser but the display will still be locked. The  icon will be displayed on the screen. Holding  button for another two seconds, unlocks both the display and dispenser.

Caution!

To avoid personal injury or property damage, observe the following:

- *Do not put fingers, hands or any foreign objects into dispenser opening.*
- *Do not use sharp objects to break ice.*
- *Do not dispense ice directly into thin glass, fine china or delicate crystal.*

To dispense water

- Select  on the control panel.
- Place your container against the back dispensing pad and press.
- Release pressure to stop dispensing.



Or on select models:

- Place container under dispensing nozzle.
- Press FRONT FILL button.



Front Fill

- The FRONT FILL button (see page 24) is perfect for filling up sports bottles and large containers that do not easily fit inside the dispensing cavity.

To dispense cubed or crushed ice

- Select either  or  ice on the control panel.
- Place your glass or container against the dispensing pad and press (for crushed ice hold your container as close to the chute as possible).
- Slowly remove your glass when you have enough ice.

To dispense water and ice at the same time (select models)

- Select either  or  ice.
- Place your container against the dispensing pad and press.
- At the same time press FRONT FILL button to dispense water.
- Slowly release the FRONT FILL button and remove your glass when you have enough ice.

Note:

- The ice mode may not be changed while ice dispenser is in operation.
- The dispenser will automatically lock if it is active for more than five minutes. See Dispenser Lock (page 25) for unlocking information.
- Once dispensing has stopped a small amount of water may be dispensed. This will be collected by the drip tray. Large spills should be wiped dry.

Light

- A light activates within the dispenser cavity when dispensing ice or water with the back dispensing pad or FRONT FILL button.

Automatic ice maker

Connect the ice maker to the water supply as instructed on page 9. Proper water flow and a level refrigerator are essential for optimal ice maker performance.

Note: energy rating guides that are posted on the refrigerator at the time of purchase do not include optional ice maker energy usage.

Operating instructions

To start ice making

- Confirm ice storage bin is securely in place.
- Lower the wire arm inside the ice bin gently.
- Once the freezer compartment has reached -18°C, the ice maker will fill with water.
- Approximately three to six hours after installation the first batch of ice will be produced.
- After the initial ice batch is made, a complete batch will be made every two to three hours.
- Discard ice made in the first 12 hours of operation.
- The ice maker will continue to make ice until the ice level raises the wire arm, and stops production.

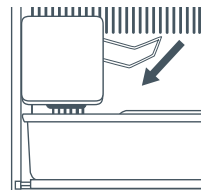


Fig.20 Ice maker (inside freezer)

To stop ice production

Lift the wire arm inside the ice bin until a click is heard. The ice maker will not make or dispense ice until the arm is lowered.

To remove the ice bin

Stop ice production by raising the wire arm. Lift the ice bin up slightly and pull forward.

To install the ice bin

Turn the auger driver behind the ice bin a half turn counterclockwise.

Place the bin in the rails and slide back gently.



Fig.21 Auger driver

Ice making information

- The first two batches of ice may contain small or irregular cubes, due to air in the supply line.
- After cubes are made, it is normal for a few cubes to be joined together. They can easily be broken apart.
- If the ice is not used frequently the cubes may become cloudy, small, stick together, and taste stale. Empty and wash the bin in lukewarm water periodically. Dry it thoroughly before replacing it.
- The ice maker may make a few sounds during its operation. Clicking, rattling, and buzzing are all normal.
- Do not store anything in the ice bin except ice made in the ice maker.

⚠ WARNING!**Mechanical Hazard**

Do not place fingers or hands on the automatic ice making mechanism while the refrigerator is plugged in. This will help protect you from possible injury. It will also prevent interference with moving parts of the ejector mechanism and the heating element that releases the cubes.

Under certain rare circumstances, ice cubes may be discoloured, usually appearing with a green-bluish hue. The cause of this unusual discolouration can be a combination of factors such as certain characteristics of local waters, household plumbing and the accumulation of copper salts in an inactive water supply line which feeds the ice maker. Continued consumption of such discoloured ice cubes may be injurious to health. If such discolouration is observed, discard the ice cubes and contact your dealer to purchase and install a water line filter.

Water damage due to improper water connection may cause mould/mildew growth.

Clean up ice and water spills to avoid personal injury and to prevent mould/mildew growth.

Failure to do so can result in death or injury to persons.

- Contact an authorised plumber if you want to install a water filter in the water system.
- A water filter is not supplied with the product. If you wish to use the internal water filter fitting in the product, the filter is an extra accessory that you must purchase (contact your local Fisher & Paykel Appliances Authorised Service Centre Dealer or Customer Care Centre for more details).
- The dispenser feature and ice maker can be used without a water filter. If you do not want to use the internal water filter fitting, the blue bypass cap must remain fitted at all times.
- If you choose to install a water filter, this will need changing approximately every 12 months.
- There is a water filter replacement indicator icon on the control panel which appears when the filter needs replacing (see page 29).

⚠ WARNING!



Poisoning Hazard

To avoid serious illness or death, do not use the refrigerator where water is unsafe or of unknown quality without adequate disinfection before or after use of filter.

Failure to do so can result in death or injury to persons.

If you want to use the internal water filter fitting in the refrigerator, follow the instructions below.

Important!

- *After installing a new water filter, always dispense water for two minutes on dispensing models before removing the filter for any reason. Air trapped in system may cause water and cartridge to eject. Always use caution when removing the filter.*
- *The bypass cap does not filter water when fitted. Be sure to have replacement cartridge available when filter change is required.*
- *If water filtration system has been allowed to freeze, replace filter cartridge.*
- *If the water system has not been used for several months, or water/ice has an unpleasant taste or odour, flush system by dispensing water for two to three minutes or clean out ice bin. If unpleasant taste or odour persists, change filter cartridge.*

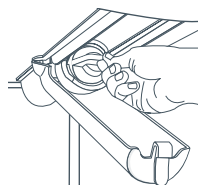


Fig.22 Filter housing and bypass cap

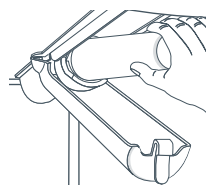


Fig.23 Filter housing and filter

Initial installation

The water filter is located in the upper right-hand corner of the fresh food compartment.

- 1 Open filter housing by pressing the tab at the front end of the housing.
- 2 Remove the blue bypass cap and retain for later use.
- 3 Remove the sealing label from end of filter and insert into filter head.
- 4 Rotate gently clockwise until filter stops. Snap filter cover closed.

RX693 / RX594 models only



- 5 Reduce water spurts by flushing air from system.
Run water continuously for two minutes through dispenser until water runs steady. During initial use, allow about a 1 – 2 minute delay in water dispensing, to allow internal water tank to fill.
 - Additional flushing may be required in some households where water is of poor quality.

Replacing water filter***Important!***

Air trapped in system may cause water and cartridge to eject. Use caution when removing.

- 1 Turn filter counterclockwise until it releases from filter head.
- 2 Drain water from filter into sink and dispose in normal household trash.
- 3 Wipe up excess water in filter cover and continue with initial installation (page 28), steps 3 through 4.

Filter change and reset

- The water filter needs to be replaced every 12 months, or after 2838 litres of water has been filtered (whichever is sooner).
- On RX693 / RX594 models the filter icon  will light up red on the display screen after the filter has been installed for 11 months or 90% of the rated water volume has been dispensed. This is indicating that a new filter should be ordered. The  will blink when the filter needs to be replaced.
- On the RX616 model, when it is time to replace the filter, the orange ORDER light will illuminate after 11 months or once 90% of the volume of water has been filtered. The red REPLACE light will illuminate after 12 months or once 2838 litres of water has been filtered. Install a new filter immediately when the red light shows up.
- After replacing filter on the RX616 model, reset the filter by pressing and holding the RESET FILTER button for two seconds. Both lights will go off.

Note: the water filter indicator will show up after 12 months regardless of whether or not a filter is fitted to the water system.

Important!

Condition of water and amount used determines the life span of water filter cartridge. If water use is high, or if water is of poor quality, replacement may need to take place more often.

Red meat

- Place fresh red meat on a plate and loosely cover with waxed paper, plastic wrap or foil.
- Store cooked and raw meat on separate plates. This will prevent any juices lost from raw meat contaminating cooked meat.



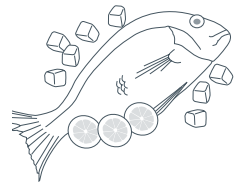
Poultry

- Fresh whole birds should be rinsed inside and out with cold running water, dried, placed on a plate and covered.
- Poultry pieces should also be stored this way. Whole poultry should never be stuffed until just before cooking, otherwise food poisoning may result.
- Cool and refrigerate cooked poultry quickly. Remove stuffing from poultry and store separately.



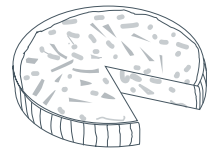
Fish and seafood

- Whole fish and fillets, should be used on the day of purchase. Refrigerate on a plate loosely covered until required.
- If storing overnight or longer, take particular care to select very fresh fish. Whole fish should be rinsed in cold water to remove loose scales and dirt and then patted dry with paper towels. Place whole fish or fillets in a sealed plastic bag.
- Keep shellfish chilled at all times. Use within one to two days.



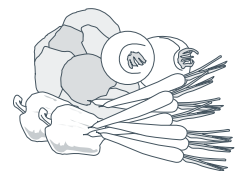
Precooked foods and leftovers

- These should be stored in covered containers, so the food does not dry out.
- Keep for only one to two days.
- Reheat leftovers only once and until steaming hot.



Fruit and vegetable bins

- Although most fruit and vegetables store best at low temperatures, take care not to store citrus fruit, tropical fruit, tomatoes or cucumbers at temperatures less than 7°C for long periods.
- Undesirable changes, such as softening of the flesh, browning, accelerated decaying and loss of flavour will occur at low temperatures.
- Do not refrigerate avocados (until they are ripe), bananas, mangoes or pepinos.
- For more information on storing fruit and vegetables refer to page 20.



Freezing food at -18°C reduces microbial activity, and chemical and physical reactions. This allows food to be kept for considerably longer than when stored in the refrigerator.

Frozen food care

For best results:

- Choose only good quality foods that freeze well.
- Store at -18°C or colder. Take care to maintain this low storage temperature, eg try to avoid opening the freezer door unnecessarily. If your ice cream is soft you are running your freezer too warm.
- Leave space at the top of containers, glass jars and plastic bags containing liquids or semi-solid foods. These expand as they freeze. Usually 20 – 50 mm head space is recommended. Ideally, remove all the air from the package after the food has frozen.
- Packages or containers of solid foods should have the air removed from them and be sealed tightly before freezing.
- Freeze immediately and as quickly as possible. Freeze only small quantities of food at any one time. For best results we recommend that only 1 kg of food be frozen per 25 L of freezer storage volume at any one time.
- Keep a constant turnover of food. Use older items of food first. Do not exceed recommended storage times.
- Use good quality freezer proof packaging to maintain food quality.
- Thaw foods preferably in a refrigerator, or using a microwave oven or multifunction oven.



Recommended freezer storage times

These times should not be exceeded.

Months	Food stored
1	Bacon, casseroles, milk
2	Bread, ice-cream, sausages, pies (meat and fruit), prepared shellfish, oily fish
3	Non oily fish, shellfish, pizza, scones, muffins
4	Ham, cakes, biscuits, beef and lamb chops, poultry pieces
6	Butter, vegetables (blanched), eggs whole and yolks, cooked crayfish, minced meat (raw), pork (raw)
12	Fruit (dry or in syrup), egg whites, beef (raw), whole chicken, lamb (raw), fruit cakes

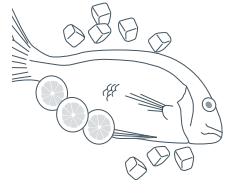
Meat, poultry and game

- Meat should be frozen quickly in order to maintain its texture.
- Do not stuff poultry before freezing.
- Always thaw poultry completely before cooking.
- Red meat can be cooked from frozen, or from partly or completely thawed states. Remember to allow extra cooking time if cooking from frozen.



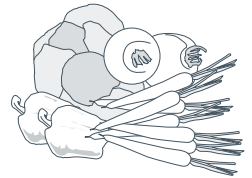
Fish

- Fish is best frozen commercially. If, however, you do want to freeze fish at home, make sure the fish is very fresh and of high quality.
- Clean, scale and preferably leave whole. All fish should be wrapped in two layers of packaging, as depending on the type of fish, odours and flavours can be readily transferred either to or from it. Seal well.
- For best results, cook from either the frozen or partly thawed state.



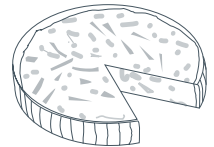
Vegetables

- Most vegetables freeze well, although 'salad' vegetables lose their crispness. Other vegetables, eg celery, onion and tomatoes, should only be used in cooked dishes as they soften on freezing.
- Freeze only good quality, mature, ready-to-eat vegetables.
- It is necessary to blanch most raw vegetables prior to freezing.**
- Blanching is a short cooking period during which vegetable enzymes are destroyed. If these enzymes are not destroyed they cause undesirable physical and chemical changes during freezer storage.
- Vegetables can be blanched in boiling water, steam or in a microwave oven. If using boiling water, boil vegetables for 2 – 4 minutes and cool quickly.
- In general frozen vegetables are best cooked from their frozen state.



Prepared and cooked foods

- Most cooked foods can be frozen, but it is not recommended to freeze the following (as they tend to separate on thawing): Cooked egg white, custards, cream fillings and milk puddings, gelatin or jelly-like dishes, mayonnaise and similar salad dressings and meringue toppings.



Fruit

- Choose good quality, mature, and ready to eat fruit. Preferably select varieties recommended for freezing.
- Avoid unripe and over-ripe fruit.
- The way fruit is packed depends on how it is to be used. Fruits packed in syrup are ideal for desserts, whereas fruits packed without sugar are better used for cooking.



Refrigerator cleaning chart

Important!

When cleaning your refrigerator, please pay attention to the chart below. Improper cleaning can result in damage to your refrigerator. Do not place buckets, shelves, or accessories in the dishwasher.

Part	Do	Do not use
Cabinet Exterior Stainless steel doors and all other exterior surfaces. Important: Damage to exterior finish due to improper use of cleaning products or non-recommended products is not covered under this product's warranty.	Use warm, soapy water and a soft, clean cloth or sponge. Rinse surfaces with clean, warm water and dry immediately to avoid water spots.	Abrasive or harsh cleaners. Ammonia. Chlorine bleach. Concentrated detergents or solvents. Metal or plastic-textured scouring pads. Vinegar-based products. Citrus-based cleaners.
Cabinet Interior	Use 4 tablespoons of baking soda dissolved in 1 L of warm, soapy water. To remove odours, put a few drops of vanilla essence or vinegar in water solution. Rinse surfaces with clean, warm water and dry immediately to avoid water spots.	Abrasive or harsh cleaners. Ammonia. Chlorine bleach. Concentrated detergents or solvents. Metal or plastic-textured scouring pads.
Door Gaskets	Use warm, soapy water and a soft, clean cloth or sponge.	Abrasive or harsh cleaners. Metal or plastic-textured scouring pads.
Condenser Coil Remove base grille to access.	Use a vacuum cleaner hose nozzle.	Anything other than a vacuum cleaner.
Condenser Fan Outlet Grille See back of refrigerator.	Use a vacuum cleaner hose nozzle with brush attachment.	
Accessories Shelves, buckets, drawers, drip tray, etc.	Follow removal and installation instructions from appropriate feature section. Allow items to adjust to room temperature if required. Dilute mild detergent and use a soft, clean cloth or sponge for cleaning. Use a plastic bristle brush to get into crevices. Rinse surfaces with clean, warm water. Dry glass and plastic items immediately to avoid spots.	A dishwasher.

Removing odours from refrigerator

⚠ WARNING!



Electric Shock Hazard

Disconnect power to refrigerator before cleaning. After cleaning, reconnect power.

Failure to do so can result in death or injury to persons.

- 1 Remove all food from the refrigerator and turn the refrigerator off.
- 2 Disconnect power to the refrigerator.
- 3 Clean the walls, floor, ceiling of cabinet interior, drawers, shelves and gaskets according to the instructions (see page 33).
- 4 Dilute mild detergent and brush solution into crevices using a plastic bristle brush. Leave for five minutes. Rinse surfaces with warm water. Dry surfaces with a soft, clean cloth.
- 5 Wash and dry all bottles, containers and jars. Discard spoiled or expired items.
- 6 Wrap or store odour-causing foods, eg onions, fish, meat or leftovers, in tightly sealed containers to prevent recurring odours.
- 7 Reconnect power to refrigerator and return food to refrigerator.
- 8 After 24 hours, check if odour has been eliminated.
- 9 If the odour is still present, liquid may have spilled down into the evaporator tray. In this instance a service call may be required (see page 46).

Energy saving tips

There are many simple things that can be done to save energy.

During installation

- Locate refrigerator in coolest part of room. Avoid areas of direct sunlight, or near heating ducts, registers, or other heat producing appliances. If this is not possible, isolate exterior by using a section of cabinet or an added layer of insulation.
- Be sure the doors are closing securely by levelling refrigerator.

During use

- Avoid overcrowding shelves, as this reduces airflow.
- Do not use any material (such aluminium foil, wax paper, or paper towelling) as a shelf liner, this reduces air flow.
- Avoid adding too much warm food all at once, this reduces cooling power.
- Your refrigerator is most efficient when two thirds full.
- Organise items in your refrigerator to reduce the time that the door is open.

Maintenance

- Clean door gaskets every three months (see page 33).
- Clean condenser coils (see page 33).

Replacing light bulbs

⚠ WARNING!**Electric Shock Hazard**

Disconnect power to refrigerator before replacing light bulb. After replacing light bulb, reconnect power.

Failure to do so can result in death or injury to persons.

Caution!

To avoid personal injury or property damage, observe the following:

- Before handling, allow light bulb to cool once refrigerator has been turned off.
- Wear gloves when replacing light bulb.

Upper fresh food section (all models)

The upper fresh food light bulbs are located behind the front panel. Reach behind the panel to remove the bulbs.

Lower fresh food section and upper freezer section (RX616 model)

- 1 Push up on bottom tabs of light cover. Rotate cover up and release tabs.
- 2 Remove light bulb. Replace bulb with an appliance bulb no greater than 40 watts.
- 3 Insert top tabs of light cover into liner slots and snap bottom tabs into liner slots.

Upper freezer section (RX693 / RX594 models)

- 1 Remove ice bin by lifting front of bin and pulling out.
- 2 Remove light shield by pressing the upper right side of the shield and rotating downward.
- 3 Remove light bulb. Replace with an appliance bulb no greater than 40 watts.
- 4 Rotate the shield upward, press in slightly and snap into place.
- 5 Replace ice bin by sliding in until bin locks into place.

Lower freezer section (all models)

- 1 Pinch both sides of light cover to remove.
- 2 Remove light bulb. Replace with appliance bulb no greater than 40 watts.
- 3 Pinch both sides of the light cover to snap into place.

Ice and water dispenser

On RX693 / RX594 models a service call is required if light bulb fails (see page 46).

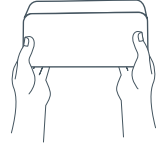
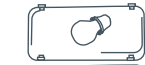
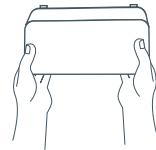


Fig.24 Light in lower fresh food section (RX616 model)



Fig.25 Lights in upper freezer section (RX693 / RX594 models)

Preparing for vacation

Caution!

If there is any possibility that the temperature where the refrigerator is located can drop below freezing, the entire water supply system (including the water tank and the water valve) must be drained by a qualified servicer if going on vacation.

Note: only RX693 / RX594 models have a water tank.

For short vacations or absences (three months or less):

- 1 Remove all perishable items from the refrigerator.
- 2 If no one will be using or checking the refrigerator during your absence:
 - Remove all frozen items.
 - Shut off the water supply to the ice maker at least one day ahead of time.
 - After the last load of ice drops, raise the wire shut off arm to the off position.
 - Empty the ice bin.
 - Where available activate VACATION mode (see page 12 for RX693 / RX594 models and page 17 for RX616 model).
- 3 If the room temperature will drop below 13°C, follow the instructions for longer absences.

For long vacations, absences (more than three months) OR if the room temperature will drop below 13°C:

- 1 Remove all food from both compartments.
 - Shut off the water supply to the ice maker at least one day before you leave.
 - After the last load of ice drops, raise the wire shut off arm to the off position.
 - Empty the ice bin.
- 2 Remove the water filter cartridge and install the filter bypass. Dispose of the used cartridge.
- 3 Unplug the refrigerator.
- 4 If you can not unplug your refrigerator, on RX693 / RX594 models turn Appliance mode off (see page 15). On the RX616 model turn Freezer Control to off (see page 16).
- 5 Thoroughly clean the interior of both compartments with a baking soda solution (four tablespoons of baking soda in 1 L of warm water) and a clean, soft cloth.
- 6 Dry thoroughly.
- 7 Leave the doors open to prevent the formation of mould and mildew.
- 8 If room temperature will drop below 0°C, get a qualified servicer to drain the water supply system (including water tank and water valve).

Preparing to move

- Follow the instructions for long vacations/absences, through to step 6.
- Secure all loose items such as shelves and drawers by taping them securely in place to prevent damage.
- Tape the doors shut.
- Use an appliance dolly when moving the refrigerator. **Always** truck the refrigerator from its side or back – **never** from its front (see page 5).
- Be sure the refrigerator stays in an upright position during moving.

Upon your return

After a short vacation or absence:

- Reconnect the water supply and turn on supply valve (see page 9).
- Monitor water connection for 24 hours and correct leaks if necessary.
- On RX693 / RX594 models run 10 – 15 glasses of water from the dispenser to flush out the system.
- Restart the ice maker by lowering the ice maker arm.
- Discard at least the first three ice harvests.
- Deactivate VACATION mode if activated (see page 12 for RX693 / RX594 models and page 17 for RX616 model).

After a long vacation or absence:

- Reconnect the water supply and turn on supply valve (see page 9).
- Plug the refrigerator back in and reset controls (see page 11 or 16) or on RX693 / RX594 models turn Appliance mode on (see page 15).
- Wipe the refrigerator out with a clean damp cloth.
- Monitor water connection for 24 hours and correct leaks if necessary.
- On RX693 / RX594 models run water through the dispenser for at least three minutes with the filter bypass in place, then install water filter (see page 28).
 - After installing the water filter, run water through the dispenser continuously for at least two minutes, or until water runs steady. Initially you may notice a one to two minute delay in water dispensing as the internal tanks fills.
- On the RX616 model remove the filter bypass cap and install water filter.
- Restart the ice maker by lowering the ice maker arm.
- Discard ice produced within the first 12 hours.

38 Operating sounds

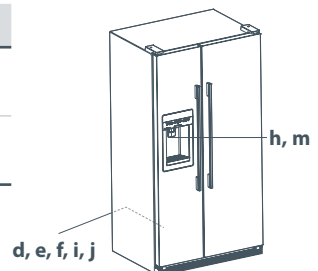
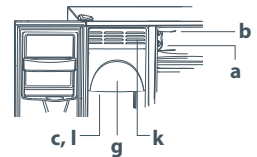
Improvements in refrigeration design may mean your new refrigerator produces sounds that are different to other models. These improvements have created a refrigerator that is better at preserving food, more energy efficient and quieter overall. Because new units are quieter, sounds may be detected that were masked by higher sound levels in older units. Many of these sounds are normal. Please note that the surfaces adjacent to a refrigerator, such as hard walls, floors and cabinetry may make these sounds seem even louder. The following are some of the normal operational sounds that may be noticed in your new refrigerator.

Normal operational sounds

Sound	Possible causes
Clicking	Freezer control (a) clicks when starting or stopping compressor.
	Defrost timer or electric damper control (select models) (b) sounds like an electric clock and snaps in and out of defrost cycle.
Air rushing or whirring	Condenser fan (d) and freezer fan (c) makes this noise while operating.
	Freezer fan (c) slows to a stop as the freezer door is opened.
Gurgling or boiling sound	Evaporator (e) and heat exchanger (f) refrigerant make this noise when flowing.
Thumping	Ice cubes from ice maker dropping into ice bucket (g).
	Dispenser ice chute (h) closing (RX693 / RX594 models).
Buzzing	Ice maker water valve (j) hookup buzzes when ice maker fills with water.
Vibrating noise	Compressor (i) makes a pulsating sound while running.
Humming	Ice maker (k) is in the 'on' position without water connection.
	Compressor (i) can make a high-pitched hum while operating.
	Solenoid valve (m) operating ice chute door (RX693 / RX594 models).
	Ice auger (l) hums as auger agitates ice during dispensing (RX693 / RX594 models).

Other sounds

Sound	Possible causes	Solution
Vibrating noise	Refrigerator is not level.	See 'Levelling', page 8.
	Contents of refrigerator rattling.	Ensure no jars or bottles are touching.



If there is a problem with your appliance, please check the following points before contacting your local Fisher & Paykel Appliances Authorised Service Centre Dealer or Customer Care Centre.

Problem	Possible causes	What to do
Freezer control and lights are on, but compressor is not operating.	Refrigerator is in defrost mode.	Normal operation. Wait 40 minutes to see if refrigerator restarts.
Temperature-controlled drawers are too warm.	Control settings are not right.	See page 20 to adjust controls.
	Freezer controls are not right.	See page 11 or 16 to adjust controls.
	Drawer is improperly positioned.	See pages 20 – 23 to verify drawer positioning.
Refrigerator does not operate.	Refrigerator is not plugged in.	Plug in refrigerator.
	Refrigerator Appliance mode is turned off (RX693 / RX594 models).	See page 15 to adjust controls.
	Touch temperature controls are set to OFF (RX616 model).	See page 16 to adjust controls.
	Fuse is blown, or circuit breaker needs to be reset.	Replace any blown fuses. Check circuit breaker and reset if necessary.
	Power outage has occurred.	Call local power company listing to report outage.
	Refrigerator is malfunctioning.	Unplug refrigerator and transfer food to another refrigerator. If another refrigerator is not available, place dry ice in freezer section to preserve food. Warranty does not cover food loss. Contact service agent (see page 46).
	Condenser coils are dirty.	Clean according to the chart on page 33.
Food temperature is too cold.	Refrigerator or freezer controls are set too cold.	See page 11 or 16 to adjust controls.
	Food is too close to upper left air inlet.	Relocate food away from upper left corner.

Problem	Possible causes	What to do
Food temperature is too warm.	Door is not closing properly.	Refrigerator is not level. See page 8 for details on how to level your refrigerator. Check gaskets for proper seal. Clean, if necessary, according to the chart on page 33. Check for internal obstructions that are keeping door from closing properly (ie improperly closed drawers, ice buckets, oversized or improperly stored containers, etc)
	Controls need to be adjusted.	See page 11 or 16 to adjust controls.
	Condenser coils are dirty.	Clean according to the chart on page 33.
	Rear air grille is blocked.	Check the positioning of food items in refrigerator to make sure grille is not blocked. Rear air grilles are located under the fruit and vegetable bin.
	Door has been opened frequently, or for long periods of time.	Reduce time door is open. Organise food items efficiently to ensure door is open for as short a time as possible.
	Food has recently been added.	Allow time for recently added food to reach refrigerator or freezer temperature.
Water droplets form on outside of refrigerator.	Door gaskets are not sealing properly.	Clean according to the chart on page 33.
	Humidity levels are high.	Normal during times of high humidity (seasonal).
	Controls require adjustment.	See page 11 or 16 to adjust controls.
Water droplets form on inside of refrigerator.	Humidity levels are high or door has been opened frequently.	Reduce time door is open. Organise food items efficiently to assure door is open for as short a time as possible.
	Door gaskets are not sealing properly.	Clean according to the chart on page 33.
Refrigerator has an odour.	Odour producing foods should be covered or wrapped.	Clean according to the chart on page 33.
	The interior needs cleaning.	

Problem	Possible causes	What to do
Refrigerator or ice maker makes unfamiliar sounds or seems too loud.	Normal operation.	See page 38.
Temperature-controlled drawer and/or bins do not close freely.	Contents of drawer or positioning of items in the surrounding compartment could be obstructing drawer.	Reposition food items and containers to avoid interference with the drawers.
	Drawer is not in proper position.	See page 20 for proper drawer placement.
	Refrigerator is not level.	See page 8 for details on how to level your refrigerator.
	Drawer channels are dirty.	Clean drawer channels with warm, soapy water. Rinse and dry thoroughly. Apply a thin layer of petroleum jelly to drawer channels.
Refrigerator runs too frequently.	Doors have been opened frequently or for long periods of time.	Reduce time door is open. Organise food items efficiently to assure door is open for as short a time as possible.
		Allow interior environment to adjust after the door has been opened.
	Humidity or temperature in surrounding area is high.	Normal operation.
	Food has recently been added.	Allow time for recently added food to reach refrigerator or freezer temperature.
	Refrigerator is exposed to heat by environment or by appliances nearby.	Evaluate your refrigerator's environment. Refrigerator may need to be moved to run more efficiently.
	Condenser coils are dirty.	Clean according to the chart on page 33.
	Controls need to be adjusted.	See page 11 or 16 to adjust controls.
	Door is not closing properly.	Refrigerator is not level, see 'Levelling', page 8.
		Check for internal obstructions that are keeping door from closing properly (ie improperly closed drawers, ice buckets, oversized or improperly stored containers, etc).
Door gaskets are not sealing properly.	Clean according to the chart on page 33.	

Ice and water (RX693 / RX594 models only)

Problem	Possible causes	What to do
No indicator lights are lit on display.	Freezer door is not closed.	Verify that freezer door is closed. Power is removed from the control when freezer door is opened.
	Refrigerator is not plugged in.	Plug in refrigerator.
	Fuse is blown, or circuit breaker needs to be reset.	Replace any blown fuses. Check circuit breakers for any tripped circuits.
	Power outage has occurred.	Call local power company listing to report outage.
	Refrigerator is in Sabbath mode.	See 'Sabbath mode', see page 14.
Ice or water are not dispensed when pads are pressed.	Freezer door is not closed.	Verify that freezer door is closed. Power is removed from the control when freezer door is opened.
	Controls are locked.	See 'Display and Dispenser Lock', page 25.
	Water tank is filling.	At initial use, there is an approximate 1 – 2 minute delay in dispensing while the internal water tank is filling.
	Ice bin not installed properly.	Reinstall ice bin (see page 26).
	Ice maker has just been installed or a large amount of ice has been used.	Wait 24 hours for ice production to begin or for ice maker to restock after emptied.
	Water pressure is too low.	Water pressure must be between 35 to 100 pounds per square inch to function properly. A minimum pressure of 35 pounds per square inch is recommended for refrigerators with water filters.
	Water filter (if fitted) is clogged or needs to be changed.	Change water filter (see page 29).

Ice and water (RX693 / RX594 models only)

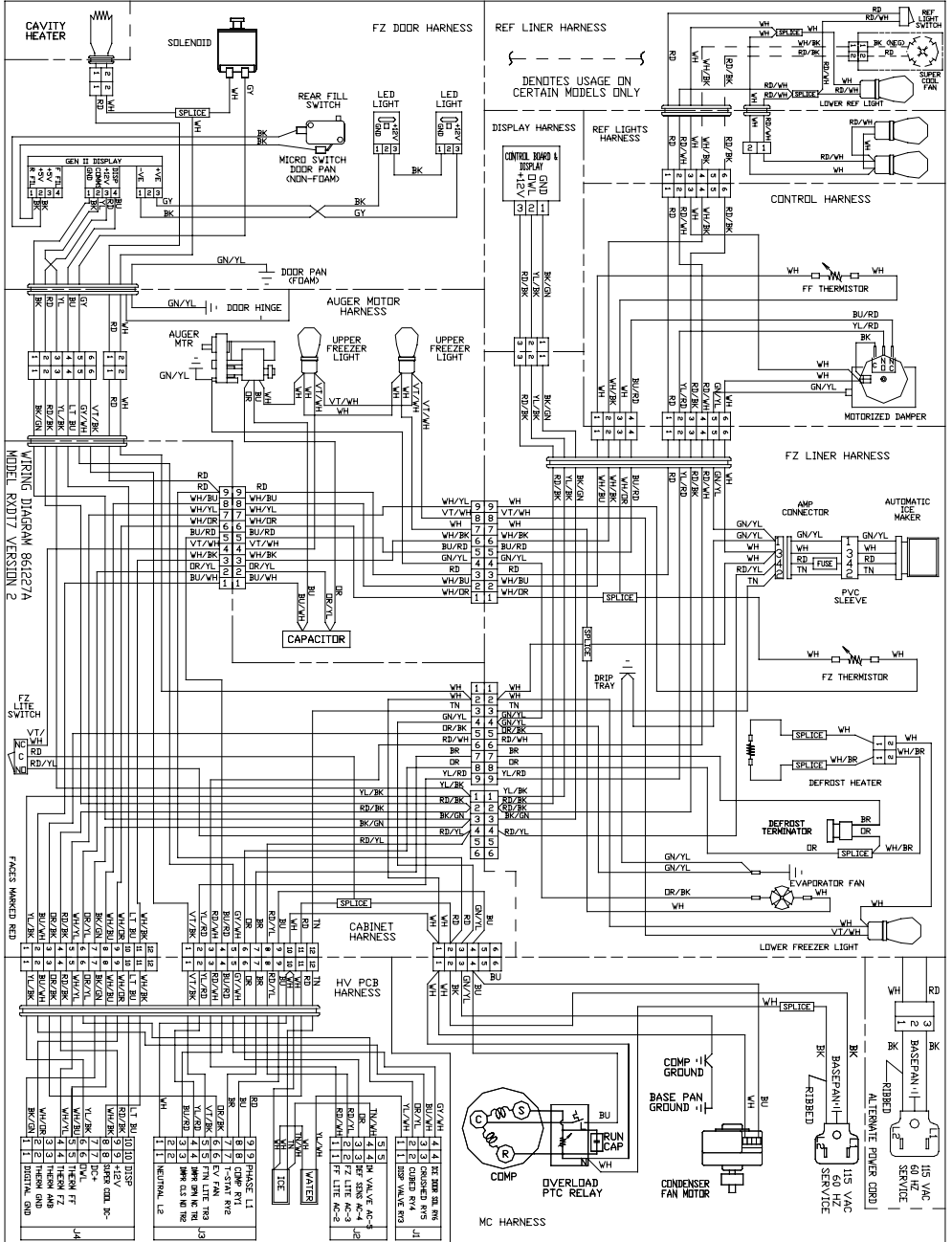
Problem	Possible causes	What to do
Water flow is slower than normal.	Water pressure is too low.	Water pressure must be between 35 to 100 pounds per square inch to function properly. A minimum pressure of 35 pounds per square inch is recommended for refrigerators with water filters.
	Saddle valve not open completely.	Open saddle valve completely.
	Improper saddle valve was installed.	See 'Connecting the water supply', page 9. Self-piercing and 4.7 mm saddle valves cause low water pressure and may clog the line over time. The manufacturer is not responsible for property damage due to improper installation or water connection.
	Copper tubing has kinks.	Turn off water supply and remove kinks. If kinks cannot be removed, replace tubing.
	Water filter (if fitted) is clogged or needs to be changed.	Change water filter (see page 29).
	Water valve not opened completely.	Open water valve completely and check for leaks. The minimum flow at dispenser is approximately 285 ml in nine seconds with a new filter in place or approximately 285 ml in five seconds without a filter.
Dispenser water is not cold.	Refrigerator has been recently installed.	Allow approximately 12 hours for water in holding tank to chill.
	Water supply in holding tank has been depleted.	
Water appears cloudy.	Air or air bubbles in water.	This is normal when first using the dispenser and will disappear with use.
Particles in water and/or ice cubes.	Carbon dust from water filter cartridge.	Initial water ejected through cartridge may contain harmless carbon dust flushed from cartridge. Will disappear after the first few uses.
	Concentrations of minerals in water will form particles when water becomes frozen and melts.	Particles are not harmful and naturally occur in water supplies.

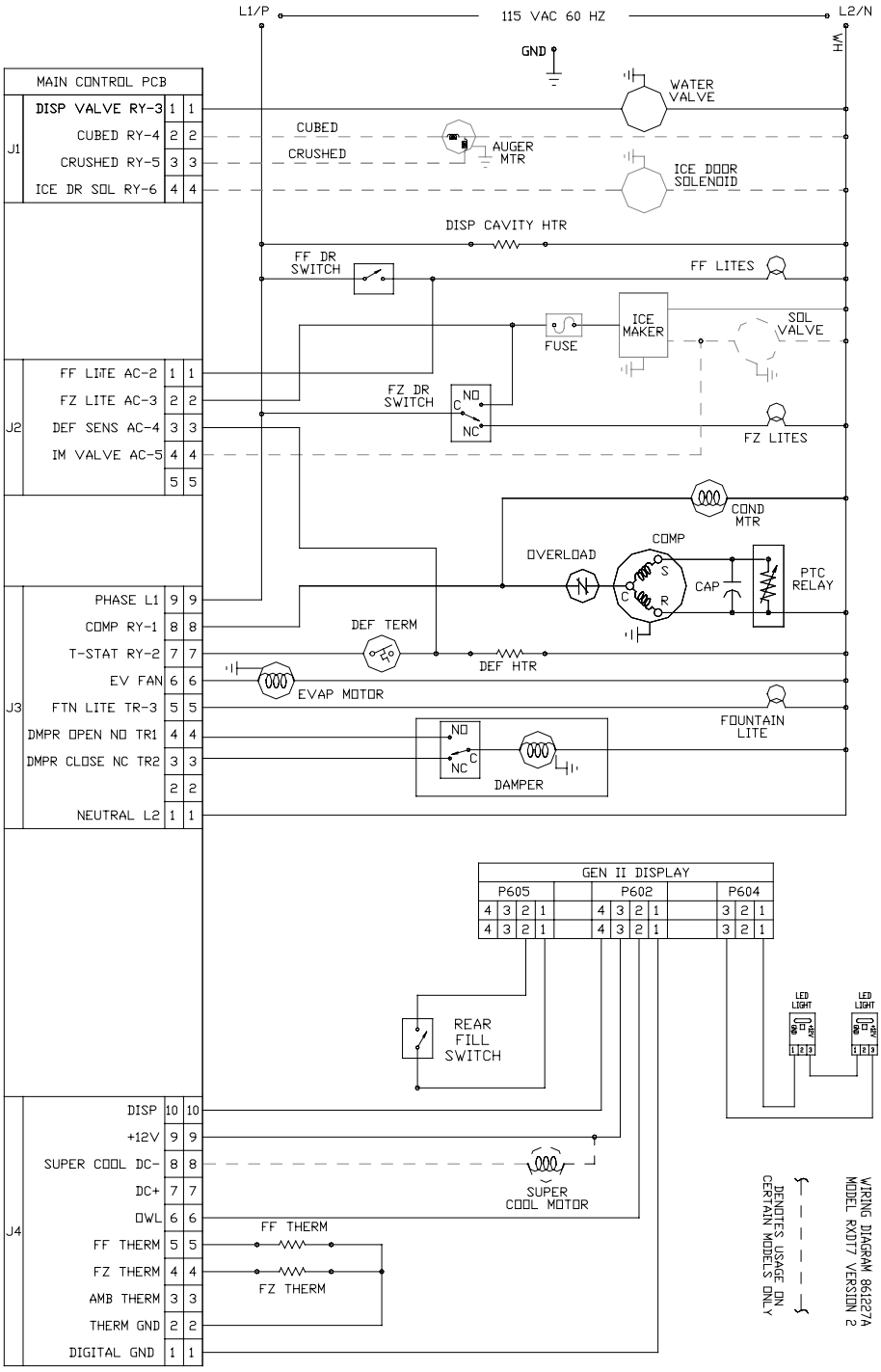
Ice and water system (all models)

Problem	Possible causes	What to do
Ice maker is not producing enough ice or ice is malformed.	Ice maker has just been installed or a large amount of ice has been used.	Wait 24 hours for ice production to begin or for ice maker to restock after emptied.
	Water pressure is too low.	Low water pressure can cause valve to leak. Water pressure must be between 35 to 100 pounds per square inch to function properly. A minimum pressure of 35 pounds per square inch is recommended for refrigerators with water filters.
	Water filter (if fitted) is clogged or needs to be changed.	Change water filter (see page 29).
Ice forms in inlet tube to ice maker.	Water pressure is too low.	Water pressure must be between 35 to 100 pounds per square inch to function properly. A minimum pressure of 35 pounds per square inch is recommended for refrigerators with water filters.
	Saddle valve not open completely.	Open saddle valve completely.
	Freezer temperature is too warm.	See pages 11 or 16 to adjust controls. Freezer temperature should be around -18°C.
Refrigerator is leaking water.	Plastic tubing was used to complete water connection.	It is recommended copper tubing is used for installation. Plastic is less durable and can cause leakages. The manufacturer is not responsible for property damage due to improper installation or faulty/leaky water connection.
	Improper water valve was installed.	See 'Connecting the water supply', page 9. Self-piercing and 4.7 mm saddle valves cause low water pressure and may clog the line over time. The manufacturer is not responsible for property damage due to improper installation or water connection.

Ice and water system (all models)

Problem	Possible causes	What to do
Ice maker is not producing ice.	Ice maker arm is up.	Confirm ice maker arm is down. See 'Automatic ice maker', page 26.
	Household water supply is not reaching water valve.	See 'Connecting the water supply', page 9.
	Tubing has kinks.	Turn off water supply and remove kinks. If kinks cannot be removed, replace tubing.
	Water pressure is too low.	Water pressure must be between 35 to 100 pounds per square inch to function properly. A minimum pressure of 35 pounds per square inch is recommended for refrigerators with water filters.
	Check freezer temperature.	See pages 11 or 16 to adjust controls. Freezer must be around -18°C to produce ice.
	Ice bin is not installed properly.	See page 26 to remove and install the ice storage bin.
	Improper water valve was installed.	See 'Connecting the water supply', page 9. Self-piercing and 4.7 mm saddle valves cause low water pressure and may clog the line over time. The manufacturer is not responsible for property damage due to improper installation or water connection.
Water filter indicator light is on (red).	Water filter (if fitted) needs to be replaced.	If filter is not available, replace with bypass cap. See 'Water filter', page 29.
	Filter indicator sensor needs to be reset.	See 'Filter change and reset', page 29.





WIRING DIAGRAM 861227A
 MODEL RD17 VERSION 2

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